

## WHAT IS CLAIMED IS:

1. A pulse wave measuring apparatus comprising a sensor unit having a pressure sensitive portion and a living organism fixing device for fixing a living organism:

wherein the living organism fixing device includes a fixing stand for fixing the living organism in position, and at least a fastening band for connecting the fixing stand and the sensor unit to each other and fixedly fastening the living organism fixedly to the fixing stand while at the same time activating by pressing the sensor unit against the living organism;

wherein the pressure sensitive portion is pressed against the living organism thereby to measure the pulse with the living organism fixed by the living organism fixing device;

wherein the fastening band includes a first band portion with one end mounted on the sensor unit and the other end mounted on the fixing stand, and a second band portion with one end mounted on the sensor unit and the other end removably mounted on the fixing stand; and

wherein the fixing stand includes a tensioning part for pulling the other end of the first band portion with a predetermined force.

2. The pulse wave measuring apparatus according to claim 1, further comprising a fixing part for fixing the first band portion relatively immovably on the fixing stand

with the other end of the second band portion mounted on the fixing stand.

3. The pulse wave measuring apparatus according to claim 2,

wherein the fixing part includes a hook-and-loop fastener arranged on the first band portion and the second band portion, and

wherein the first band portion and the second band portion are caused to engage each other by the hook-and-loop fastener thereby to fix the first band portion on the fixing stand relatively immovably.

4. The pulse wave measuring apparatus according to claim 3,

wherein the one end of the first band portion engages the other end of the second band portion and the other end of the first band portion engages the one end of the second band portion at the positions where the first band portion and the second band portion are caused to engage each other by the hook-and-loop fastener.

5. The pulse wave measuring apparatus according to claim 2,

wherein the fixing part is configured of a brake member operatively interlocked with the process of mounting the second band portion on the fixing stand, and

wherein the second band portion is mounted on the fixing stand so that the brake member is brought into

contact with the first band portion and the first band portion is fixedly pressed against the fixing stand relatively immovably.

6. The pulse wave measuring apparatus according to any one of claims 1 to 5,

wherein the tensioning part is accommodated in the fixing stand,

wherein the first band portion includes an accommodated part located in the fixing stand and an unaccommodated part located outside the fixing stand; and

wherein the first band portion is guided relatively movably with respect to the fixing stand by a guide part arranged in the fixing stand with the living organism unfixed by the living organism fixing device.

7. The pulse wave measuring apparatus according to claim 6,

wherein the guide part is configured of at least a roller arranged on the sliding parts of the fixing stand and the first band portion.

8. The pulse wave measuring apparatus according to claim 6, further comprising a band length adjusting part for adjusting the length of the unaccommodated part of the first band portion.

9. The pulse wave measuring apparatus according to claim 8,

wherein the band length adjusting part is arranged on

the unaccommodated part of the first band portion.

10. The pulse wave measuring apparatus according to claim 8,

wherein the band length adjusting part is arranged on the fixing stand.

11. The pulse wave measuring apparatus according to claim 10,

wherein the band adjusting part includes a band length maintaining part for maintaining a predetermined length of the unaccommodated part of the first band portion after adjustment.

12. The pulse wave measuring apparatus according to claim 10,

wherein the band length adjusting part includes a rotary member having one end journaled and the other end rotatable,

wherein the first band portion slidably engages a fixed shaft and a movable shaft arranged on the one end and the other end, respectively, of the rotary member, and

wherein the length of the unaccommodated part of the first band portion is adjusted by rotating the rotary member.

13. The pulse wave measuring apparatus according to claim 6,

wherein the tensioning part is a constant force spring.